

§ 116.4**40 CFR Ch. I (7-1-15 Edition)**

(F) Contribution of flow,
 (G) Export of organic matter,
 (H) Export of food resources, and
 (I) Provision of life cycle dependent aquatic habitat (such as foraging, feeding, nesting, breeding, spawning, or use as a nursery area) for species located in a water identified in paragraphs (1)(i) through (iii) of this section.

(vi) *Ordinary high water mark*. The term *ordinary high water mark* means that line on the shore established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas.

(vii) *High tide line*. The term *high tide line* means the line of intersection of the land with the water's surface at the maximum height reached by a rising tide. The high tide line may be determined, in the absence of actual data, by a line of oil or scum along shore objects, a more or less continuous deposit of fine shell or debris on the foreshore or berm, other physical markings or characteristics, vegetation lines, tidal gages, or

other suitable means that delineate the general height reached by a rising tide. The line encompasses spring high tides and other high tides that occur with periodic frequency but does not include storm surges in which there is a departure from the normal or predicted reach of the tide due to the piling up of water against a coast by strong winds such as those accompanying a hurricane or other intense storm.

§ 116.4 Designation of hazardous substances.

The elements and compounds appearing in Tables 116.4 A and B are designated as hazardous substances in accordance with section 311(b)(2)(A) of the Act. This designation includes any isomers and hydrates, as well as any solutions and mixtures containing these substances. Synonyms and Chemical Abstract System (CAS) numbers have been added for convenience of the user only. In case of any disparity the common names shall be considered the designated substance.

TABLE 116.4A—LIST OF HAZARDOUS SUBSTANCES

Common name	CAS No.	Synonyms	Isomers	CAS No.
Acetaldehyde	75070	Ethanal, ethyl aldehyde, acetic aldehyde.		
Acetic acid	64197	Glacial acetic acid, vinegar acid.		
Acetic anhydride	108247	Acetic oxide, acetyl oxide.		
Acetone cyanohydrin	75865	2-methylacetonitrile, alpha-hydroxyisobutyronitrile.		
Acetyl bromide	506967			
Acetyl chloride	79367			
Acrolein	107028	2-propenal, acrylic aldehyde, acrylaldehyde, acraldehyde.		
Acrylonitrile	107131	Cyanoethylene, Fumigrain, Ventox, propenonitrile, vinyl cyanide.		
Adipic acid	124049	Hexanedioic acid.		
Aldrin	309002	Octalene, HHDN.		
Allyl alcohol	107186	2-propen-1-ol, 1-propenol-3, vinyl carbolin.		
Allyl chloride	107051	3-chloropropene, 3-chloropropylene, Chlorallylene.		
Aluminum sulfate	10043013	Alum.		
Ammonia	7664417			
Ammonium acetate	631618	Acetic acid ammonium, salt.		
Ammonium benzoate	1863634			
Ammonium bicarbonate	1066337	Acid ammonium carbonate, ammonium hydrogen carbonate.		
Ammonium bichromate	7789095			
Ammonium bifluoride	1341497	Acid ammonium fluoride, ammonium hydrogen fluoride.		
Ammonium bisulfite	10192300			
Ammonium carbamate	1111780	Ammonium aminoformate.		
Ammonium carbonate	506876			
Ammonium chloride	12125029	Ammonium muriate, sal ammoniac, salmiac, Amchlor.		
Ammonium chromate	7788989			
Ammonium citrate dibasic	3012655	Diammonium citrate, citric acid diammonium salt.		
Ammonium fluoborate	13826830	Ammonium fluoroborate, ammonium borofluoride.		
Ammonium fluoride	12125018	Neutral ammonium fluoride.		
Ammonium hydroxide	1336216			
Ammonium oxalate	6009707			
	5972736			

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TABLE 116.4A—LIST OF HAZARDOUS SUBSTANCES—Continued

Common name	CAS No.	Synonyms	Isomers	CAS No.
Ammonium silicofluoride	14258492			
Ammonium sulfamate	16919190	Ammonium fluosilicate.		
Ammonium sulfide	7773060	Ammate, AMS, ammonium amidosulfate.		
Ammonium sulfide	12135761			
Ammonium sulfite	10196040			
Ammonium sulfite	10192300			
Ammonium tartrate	3164292	Tartaric acid ammonium salt.		
Ammonium thiocyanate	14307438			
Amyl acetate	1762954	Ammonium rhodanide, ammonium sulfocyanate, ammonium sulfocyanide.		
Aniline	628637	Amylacetate ester	iso-	123922
		Pear oil	sec-	626380
		Banana oil	tert-	625161
Aniline	62533	Aniline oil, phenylamine, aminobenzene, aminophen, kyanol.		
Antimony pentachloride	7647189			
Antimony potassium tartrate	28300745	Tartar emetic, tartrated antimony, tartarized antimony, potassium antimonyltartrate.		
Antimony tribromide	7789619			
Antimony trichloride	10025919	Butter of antimony.		
Antimony trifluoride	7783564	Antimony fluoride.		
Antimony trioxide	1309644	Diantimony trioxide, flowers of antimony.		
Arsenic disulfide	1303328	Red arsenic sulfide.		
Arsenic pentoxide	1303282	Arsenic acid anhydride, arsenic oxide.		
Arsenic trichloride	7784341	Arsenic chloride, arsenious chloride, arsenous chloride, butter of arsenic.		
Arsenic trioxide	1327533	Arsenious acid, arsenious oxide, white arsenic.		
Arsenic trisulfide	1303339	Arsenious sulfide, yellow arsenic sulfide.		
Barium cyanide	542621			
Benzene	71432	Cyclohexatriene, benzol.		
Benzoic acid	65850	Benzencarboxylic acid, phenylformic acid, dracylic acid.		
Benzonitrile	100470	Phenyl cyanide, cyanobenzene.		
Benzoyl chloride	98884	Benzencarbonyl chloride.		
Benzyl chloride	100447			
Beryllium chloride	7787475			
Beryllium fluoride	7787497			
Beryllium nitrate	7787555			
Butyl acetate	13597994			
Butyl acetate	123864	Acetic acid butyl ester	iso-	110190
			sec-	105464
			tert-	540885
Butylamine	109739	1-aminobutane	iso-	78819
			sec-	513495
			sec-	13952846
			tert-	75649
n/butyl phthalate	84742	1,2-benzenedicarboxylic acid, dibutyl ester, dibutyl phthalate.		
Butyric acid	107926	Butanoic acid, ethylacetic acid	iso-	79312
Cadmium acetate	543908			
Cadmium bromide	7789426			
Cadmium chloride	10108642			
Calcium arsenate	7778441	Tricalcium orthoarsenate.		
Calcium arsenite	52740166			
Calcium carbide	75207	Carbide, acetylenogen.		
Calcium chromate	13765190	Calcium chrome yellow, geblin, yellow ultramarine.		
Calcium cyanide	592018			
Calcium dodecylbenzenesulfonate	26264062			
Calcium hypochlorite	7778543			
Captan	133062	Orthocide-406, SR-406, Vancide-89.		
Carbaryl	63252	Sevin.		
Carbofuran	1563662	Furadan.		
Carbon disulfide	75150	Carbon bisulfide, dithiocarbonic anhydride.		
Carbon tetrachloride	56235	Tetrachloromethane Perchloromethane.		
Chlordane	57749	Toxicchlor, chlordan.		
Chlorine	75003			
Chlorobenzene	108907	Monochlorobenzene, benzene chloride.		
Chloroform	67663	Trichloromethane.		
Chlorpyrifos	2921882	Dursban.		
Chlorosulfonic acid	7790945	Sulfuric chlorohydrin.		
Chromic acetate	1066304			

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TABLE 116.4A—LIST OF HAZARDOUS SUBSTANCES—Continued

Common name	CAS No.	Synonyms	Isomers	CAS No.
Chromic acid	11115745	Chromic anhydride, chromium trioxide.		
Chromic sulfate	10101538			
Chromous chloride	10049055			
Cobaltous bromide	7789437	Cobalt bromide.		
Coabaltous formate	544183	Cobalt formate.		
Cobaltous sulfamate	14017415	Cobalt sulfamate.		
Coumaphos	56724	Co-Ral.		
Cresol	1319773	Cresylic acid	m-	108394
		Hydroxytoluene	o-	95487
			p-	106445
Crotonaldehyde	4170303	2-butenal propylene aldehyde.		
Cupric acetate	142712	Copper acetate, crystalized verdigris.		
Cupric acetoarsenite	12002038	Copper acetoarsenite, copper acetate arsenite, Paris green.		
Cupric chloride	7447394	Copper chloride.		
Cupric nitrate	3251238	Copper nitrate.		
Cupric oxalate	5893663	Copper oxalate.		
Cupric sulfate	7758987	Copper sulfate.		
Cupric sulfate, ammoniated	10380297	Ammoniated copper sulfate.		
Cupric tartrate	815827	Copper tartrate.		
Cyanogen chloride	506774			
Cyclohexane	110827	Hexahydrobenzene, hexamethylene, hexanaphthene.		
2,4-D acid	94757	2,4-dichlorophenoxyacetic acid.		
2,4-D ester	94111	2,4-dichlorophenoxyacetic acid ester.		
	94791			
	94804			
	1320189			
	1928387			
	1928616			
	1929733			
	2971382			
	25168267			
DDT	53467111	p,p'-DDT.		
Diazinon	50293	Dipofene, Diazitol, Basudin, Spectracide.		
Dicamba	333415			
Dicamba	1918009	2-methoxy-3,6-dichlorobenzoic acid.		
Dichlobenil	1194656	2,6-dichlorobenzonitrile, 2,6-DBN.		
Dichlone	117806	Phygon, dichloronaphthoquinone.		
Dichlorobenzene	25321226	Di-chloricide	Ortho	95501
		Paramoth (Para)	Para	106467
Dichloropropane	26638197	Propylene dichloride	1,1	78999
			1,2	78875
Dichloropropene	26952238		1,3	142289
			2,3	542756
				78886
Dichloropropene-dichloropropane (mixture).	8003198	D-D mixture Vidden D.		
2,2-Dichloropropionic acid	75990	Dalapon.		
Dichlorvos	62737	2,2-dichlorovinyl dimethyl phosphate, Vapona.		
Dicofol	115322	Di(p-chlorophenyl)-trichloromethylcarbinol, DTMC, dicofol.		
Dieldrin	60571	Alvit.		
Diethylamine	109897			
Dimethylamine	124403			
Dinitrobenzene (mixed)	25154545	Dinitrobenzol	m-	99650
			o-	528290
			p-	100254
Dinitrophenol	51285	Aldifen	(2,5-)	329715
			(2,4-)	
Dinitrotoluene	25321146	DNT	(2,6-)	573568
			2,4	121142
			2,6	606202
			3,4	610399
Diquat	85007	Aquacide.		
Disulfoton	2764729	Dextrone, Reglone, Diquat dibromide.		
Diuron	298044	Di-syston.		
	330541	DCMU, DMU.		
Dodecylbenzenesulfonic acid	27176870	Thiodan.		
Endosulfan	115297	Mendrin, Compound 269.		
Endrin	72208	-chloropropylene oxide.		
Epichlorohydrin	106898			

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TABLE 116.4A—LIST OF HAZARDOUS SUBSTANCES—Continued

Common name	CAS No.	Synonyms	Isomers	CAS No.
Ethion	563122	Nialate, ethyl methylene, phosphorodithioate.		
Ethylbenzene	100414	Phenylethane.		
Ethylenediamine	107153	1,2-diaminoethane.		
Ethylenediamine-tetraacetic acid (EDTA).	60004	Edetic acid, Havidote, (ethylenedinitrilo)-tetraacetic acid.		
Ethylene dibromide	106934	1,2-dibromoethane acetylene dibromide sym-dibromoethylene.		
Ethylene dichloride	107062	1,2-dichloroethane sym-bichloroethane.		
Ferric ammonium citrate	1185575	Ammonium ferric citrate.		
Ferric ammonium oxalate	2944674	Ammonium ferric oxalate.		
Ferric chloride	5548874	Flores martis, iron trichloride.		
Ferric fluoride	7705080			
Ferric nitrate	7783508			
Ferric sulfate	10421484	Iron nitrate.		
Ferrous ammonium sulfate	10028225	Ferric persulfate, ferric sesquisulfate, ferric tersulfate.		
Ferrous chloride	10045893	Mohr's salt, iron ammonium sulfate.		
Ferrous sulfate	7758943	Iron chloride, iron dichloride, iron protochloride.		
Formaldehyde	7720787	Green vitriol.		
Formic acid	7782630	Iron vitriol, iron sulfate, iron protosulfate.		
Fumaric acid	50000	Methyl aldehyde, methanal, formalin.		
Fumaryl	64186	Methanoic acid.		
Furfural	110178	Trans-butenedioic acid, trans-1,2-ethylenedicarboxylic acid, boletic acid, allomaleic acid.		
Guthion	98011	2-furaldehyde, pyromucic aldehyde.		
Heptachlor	86500	Gusatihion, azinphos-methyl.		
Hexachlorocyclopentadiene	76448	Velsicol-104, Drinox, Heptagran.		
Hydrochloric acid	77474	Perchlorocyclopentadiene.		
Hydrofluoric acid	7647010	Hydrogen chloride, muriatic acid.		
Hydrogen cyanide	7664393	Fluohydric acid.		
Hydrogen sulfide	74908	Hydrocyanic acid.		
Isoprene	7783064	Hydrosulfuric acid sulfur hydride.		
Isopropanolamine dodecylbenzenesulfonate.	78795	2-methyl-1,3-butadiene.		
Kepone	42504461			
Lead acetate	143500	Chlordecone 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-1,3,4-metheno-2H-cycloluta(cd)pentalen-2-one.		
Lead arsenate	301042	Sugar of lead.		
Lead chloride	7784409			
Lead fluoborate	7645252			
Lead fluoride	10102484			
Lead iodide	7758954			
Lead nitrate	13814965	Lead fluoroborate.		
Lead stearate	7783462	Lead difluoride, plumbous fluoride.		
Lead sulfate	10101630			
Maleic acid	10099748			
Maleic anhydride	7428480	Stearic acid lead salt.		
Mercaptodimethyl	1072351			
Mercaptoimidethur	52652592			
Mercuric cyanide	7446142			
Mercuric nitrate	1314870	Galena.		
Mercuric sulfate	592870	Lead sulfocyanate.		
Mercuric thiocyanate	58899	Gamma-BHC, gamma-benzene hexachloride.		
Lindane	14307358			
Lithium chromate	121755	Phosphothion.		
Malathion	110167	Cis-butenedioic acid, cis-1,2-ethylenedicarboxylic acid, toxicilic acid.		
Maleic anhydride	108316	2,5-furandione, cis-butenedioic anhydride, toxicilic anhydride.		
Mercaptodimethyl	203657	Mesurol.		
Mercuric thiocyanate	592041	Mercury cyanide.		
Mercuric sulfate	10045940	Mercury nitrate, mercury pernitrate.		
Mercuric thiocyanate	7783359	Mercury sulfate, mercury persulfate.		
Mercurous nitrate	592858	Mercury thiocyanate, mercuric sulfocyanate, mercuric sulfhydrate.		
Mercurous nitrate	7782867	Mercury protonitrate.		
Methoxychlor	10415755	DDMT, methoxy-DDT.		
Methyl mercaptan	72435	Methanethiol, mercaptomethane, methyl sulphydrate, thiomethyl alcohol.		
	74931			

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TABLE 116.4A—LIST OF HAZARDOUS SUBSTANCES—Continued

Common name	CAS No.	Synonyms	Isomers	CAS No.
Methyl methacrylate	80626	Methacrylic acid methyl ester, methyl-2-methyl-2-propenoate.		
Methyl parathion	298000	Nitrox-80.		
Mevinphos	7786347	Phosdrin.		
Mexacarbate	315184	Zectran.		
Monoethylamine	75047	Ethylamine, aminoethane.		
Monomethylamine	74895	Methyamine, aminomethane.		
Naled	300765	Dibrom.		
Naphthalene	91203	White tar, tar camphor, naphthalin.		
Naphthenic acid	1338245	Cyclohexanecarboxylic acid, hexahydrobenzoic acid.		
Nickel ammonium sulfate	15699180	Ammonium nickel sulfate.		
Nickel chloride	37211055	Nickelous chloride.		
Nickel hydroxide	7718549	Nickelous hydroxide.		
Nickel nitrate	12054487			
Nickel sulfate	14216752	Nickelous sulfate.		
Nitric acid	7786814	Aqua fortis.		
Nitrobenzene	7697372	Nitrobenzol, oil of mirbane.		
Nitrogen dioxide	98953			
Nitrophenol (mixed)	10102440	Nitrogen tetroxide.		
Nitrotoluene	25154556	Mononitrophenol	m-	554847
			o-	88755
			p-	100027
			Ortho	88722
			Meta	99081
			Para	99990
Paraformaldehyde	30525894	Paraform, Formagene, Triformol, polymerized formaldehyde, polyoxymethylene.		
Parathion	56382	DNTP, Niram.		
Pentachlorophenol	87865	PCP, Penta.		
Phenol	108952	Carbolic acid, phenyl hydroxide, hydroxybenzene, oxybenzene.		
Phosgene	75445	Diphosgene, carbonyl chloride, chloroformyl chloride.		
Phosphoric acid	7664382	Orthophosphoric acid.		
Phosphorus	7723140	Black phosphorus, red phosphorus, white phosphorus, yellow phosphorus.		
Phosphorus oxychloride	10025873	Phosphoryl chloride, phosphorus chloride.		
Phosphorus pentasulfide	1314803	Phosphoric sulfide, thiophosphoric anhydride, phosphorus persulfide.		
Phosphorus trichloride	7719122	Phosphorous chloride.		
Polychlorinated biphenyls	1336363	PCB, Aroclor, polychlorinated diphenyls.		
Potassium arsenite	7784410			
Potassium arsenite	10124502	Potassium metaarsenite.		
Potassium bichromate	7778509	Potassium dichromate.		
Potassium chromate	7789006			
Potassium cyanide	151508			
Potassium hydroxide	1310583	Potassium hydrate, caustic potash, potassa.		
Potassium permanganate	7722647	Chameleon mineral.		
Propargite	2912358	Omite.		
Propionic acid	79094	Propanoic acid, methylacetic acid, ethylformic acid.		
Propionic anhydride	123626	Propanoic anhydride, methylacetic anhydride.		
Propylene oxide	75569	Propene oxide.		
Pyrethrins	121299	Pyrethrin I.		
Quinoline	121211	Pyrethrin II.		
Resorcinol	91225	1-benzazine, benzo(b)pyridine, leucomoline, chinoleine, leucol.		
Selenium oxide	108463	Resorcin, 1,3-benzenediol, meta-dihydroxybenzene.		
Silver nitrate	7446084	Selenium dioxide.		
Sodium	7761888	Nitric acid silver (1+) salt lunar caustic.		
Sodium arsenate	7440235	Natrium.		
Sodium arsenite	7631892	Disodium arsenate.		
Sodium arsenite	7784465	Sodium metaarsenite.		
Sodium bichromate	10588019	Sodium dichromate.		
Sodium bifluoride	1333831			
Sodium bisulfite	7631905	Sodium acid sulfite, sodium hydrogen sulfite.		
Sodium chromate	7775113			
Sodium cyanide	143339			
Sodium dodecybenzene-sulfonate	25155300			
Sodium fluoride	7681494	Villiaumite.		

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TABLE 116.4A—LIST OF HAZARDOUS SUBSTANCES—Continued

Common name	CAS No.	Synonyms	Isomers	CAS No.
Sodium hydrosulfide	16721805	Sodium hydrogen sulfide.		
Sodium hydroxide	1310732	Caustic soda, soda lye, sodium hydrate.		
Sodium hypochlorite	7681529	Bleach.		
	10022705			
Sodium methylate	124414	Sodium methoxide.		
Sodium nitrite	7632000			
Sodium phosphate, dibasic	7558794			
	10039324			
	10140655			
Sodium phosphate, tribasic	7601549			
	10101890			
	10361894			
Sodium selenite	10102188			
	7782823			
Strontium chromate	7789062			
Strychnine	57249			
Styrene	100425	Vinylbenzene, phenylethylene, styrol, styrene, cinnamene, cinnamol.		
	7664939	Oil of vitriol, oleum.		
Sulfuric acid	12771083	Sulfur chloride.		
Sulfur monochloride	93765	2,4,5-trichlorophenoxyacetic acid.		
2,4,5-T acid	6369966	Acetic acid (2,4,5-trichlorophenoxy)-compound with N,N-dimethylmethanamine (1:1).		
2,4,5-T amines	6369977	Acetic acid (2,4,5-trichlorophenoxy)-compound with N-methylmethanamine (1:1).		
	1319728	Acetic acid (2,4,5-trichlorophenoxy)-compound with 1-amino-2-propanol (1:1).		
	3813147	Acetic acid (2,4,5-trichlorophenoxy)-compound with 2,2'2"-nitrilotris [ethanol] (1:1).		
2,4,5-T esters	2545597	2,4,5-trichlorophenoxyacetic esters.		
	93798			
	61792072			
	1928478			
2,4,5-T salts	25168154			
	13560991	Acetic acid (2,4,5-trichlorophenoxy)-sodium salt.		
TDE	72548	DDD.		
2,4,5-TP acid	93721	Propanoic acid 2-(2,4,5-trichlorophenoxy).		
2,4,5-TP esters	32534955	Propanoic acid, 2-(2,4,5-trichlorophenoxy)-, isoctyl ester.		
Tetraethyl lead	78002	Lead tetraethyl, TEL.		
Tetraethyl pyrophosphate	107493	TEPP.		
Thallium sulfate	10031591			
Toluene	7446186			
	108883	Toluol, methylbenzene, phenylmethane, Methacide.		
Toxaphene	8001352	Camphechlor.		
Trichlorfon	52686	Dipterex		
Trichlorethylene	79016	Dylox.		
Trichlorophenol	25167822	Ethylene trichloride.		
		Collunsol, Dowicide 2 or 2S, Omal, Phenachlor.	(2,3,4)	15950660
			(2,3,5)	933788
			(2,3,6)	933755
			(2,4,5)	95954
			(2,4,6)	88062
			(3,4,5)	609198
Triethanolamine dodecybenzenesulfonate.	27323417			
Triethylamine	121448	TMA.		
Trimethylamine	75503			
Uranyl acetate	541093			
Uranyl nitrate	10102064			
	36478769			
Vanadium pentoxide	1314621	Vanadic anhydride, vanadic acid anhydride.		
Vanadyl sulfate	27774136	Vanadic sulfate, vanadium sulfate.		
Vinyl acetate	108054	Acetic acid ethylene ether.		
Vinylidene chloride	75354	1,1-dichlorethylene.		
Xylene (mixed)	1330207	1,1-dichloroethene.	m-	108383
		Dimethylbenzene	o-	95476
		Xylool	p-	106423
Xylenol	1300716	Dimethylphenol, hydroxydimethylbenzene.		

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Common name	CAS No.	Synonyms	Isomers	CAS No.
Zinc acetate	557346			
Zinc ammonium chloride	14639975			
	14639986			
	52628258			
Zinc borate	1332076			
Zinc bromide	7699458			
Zinc carbonate	3486359			
Zinc chloride	7646857	Butter of zinc.		
Zinc cyanide	557211			
Zinc fluoride	7783495			
Zinc formate	557415			
Zinc hydrosulfite	7779864			
Zinc nitrate	7779886			
Zinc phenolsulfonate	127822	Zinc sulfocarbonate.		
Zinc phosphide	1314847			
Zinc silicofluoride	16871719	Zinc fluosilicate.		
Zinc sulfate	7733020	White vitriol, zinc vitriol, white copperas.		
Zirconium nitrate	13746899			
Zirconium potassium fluoride	16923958			
Zirconium sulfate	14644612	Disulfatozirconic acid.		
Zirconium tetrachloride	10026116			

TABLE 116.4B—LIST OF HAZARDOUS SUBSTANCES BY CAS NUMBER

CAS No.	Common name
50000	Formaldehyde
50293	DDT
51285	2,4-Dinitrophenol
52686	Trichlorfon
56382	Parathion
56724	Coumaphos
57249	Strychnine
57749	Chlordane
58899	Lindane
60004	Ethylenediaminetetraacetic acid (EDTA)
60571	Dieldrin
62533	Aniline
62737	Dichlorvos
63252	Carbaryl
64186	Formic acid
64197	Acetic acid
65850	Benzoic acid
67663	Chloroform
71432	Benzene
72208	Endrin
72435	Methoxychlor
72548	TDE
74895	Monomethylamine
74908	Hydrogen cyanide
74931	Methyl mercaptan
75047	Monoethylamine
75070	Acetaldehyde
75150	Carbon disulfide
75207	Calcium carbide
75445	Phosgene
75503	Trimethylamine
75649	tert-Butylamine
75865	Acetone cyanohydrin
75990	2,2-Dichloropropionic acid
76448	Heptachlor
78002	Tetraethyl lead
78795	Isoprene
78819	iso-Butylamine
79094	Propionic acid
79312	iso-Butyric acid
79367	Acetyl chloride
80626	Methyl methacrylate
85007	Diquat

TABLE 116.4B—LIST OF HAZARDOUS SUBSTANCES BY CAS NUMBER—Continued

CAS No.	Common name
86500	Guthion
87865	Pentachlorophenol
88755	o-Nitrophenol
91203	Naphthalene
91225	Quinoline
93765	2,4,5-T acid
93798	2,4,5-T ester
94111	2,4-D ester
94757	2,4-D acid
94791	2,4-D ester
94804	2,4-D Butyl ester
95476	o-Xylene
95487	o-Cresol
98011	Furfural
98884	Benzoyl chloride
98953	Nitrobenzene
99650	m-Dinitrobenzene
100027	p-Nitrophenol
100254	p-Dinitrobenzene
100414	Ethylbenzene
100425	Styrene
100447	Benzyl chloride
100470	Benzonitrile
105464	sec-Butyl acetate
106423	p-Xylene
106445	p-Cresol
107028	Acrolein
107051	Allyl chloride
107131	Acrylonitrile
107153	Ethylenediamine
107186	Allyl alcohol
107493	Tetraethyl pyrophosphate
107926	n-Butyric acid
108054	Vinyl acetate
108247	Acetic anhydride
108316	Maleic anhydride
108383	m-Xylene
108394	m-Cresol
108463	Resorcinol
108883	Toluene
108907	Chlorobenzene
108952	Phenol
109739	n-Butylamine
109887	Diethylamine

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TABLE 116.4B—LIST OF HAZARDOUS SUBSTANCES BY CAS NUMBER—Continued

CAS No.	Common name
110167	Maleic acid
110178	Fumaric acid
110190	iso-Butyl acetate
110827	Cyclohexane
115297	Endosulfan
115322	Dicofol
117806	Dichlone
121211	Pyrethrin
121299	Pyrethrin
121448	Triethylamine
121755	Malathion
123626	Propionic anhydride
123864	n-Butyl acetate
123922	iso-Amyl acetate
124403	Dimethylamine
124414	Sodium methylate
127822	Zinc phenolsulfonate
133062	Captan
142712	Cupric acetate
143339	Sodium cyanide
151508	Potassium cyanide
298000	Methyl parathion
298044	Disulfoton
300765	Naled
301042	Lead acetate
309002	Aldrin
315184	Mexacarbate
329715	2,5-Dinitrophenol
330541	Diuron
333415	Diazinon
506774	Cyanogen chloride
506876	Ammonium carbonate
506967	Acetyl bromide
513495	sec-Butylamine
528290	o-Dinitrobenzene
540885	tert-Butyl acetate
541093	Uranyl acetate
542621	Barium cyanide
543908	Cadmium acetate
544183	Cobaltous formate
554847	m-Nitrophenol
557211	Zinc cyanide
557346	Zinc acetate
557415	Zinc formate
563122	Ethion
573568	2,6-Dinitrophenol
592018	Calcium cyanide
592041	Mercuric cyanide
592858	Mercuric thiocyanate
592870	Lead thiocyanate
625161	tert-Amyl acetate
626380	sec-Amyl acetate
628637	n-Amyl acetate
631618	Ammonium acetate
815827	Cupric tartrate
1066304	Chromic acetate
1066337	Ammonium bicarbonate
1072351	Lead stearate
1111780	Ammonium carbamate
1185575	Ferric ammonium citrate
1194656	Dichlobenil
1300716	Xylenol
1303282	Arsenic pentoxide
1303328	Arsenic disulfide
1303339	Arsenic trisulfide
1309644	Antimony trioxide
1310583	Potassium hydroxide
1310732	Sodium hydroxide
1314621	Vanadium pentoxide
1314803	Phosphorus pentasulfide
1314847	Zinc phosphide

TABLE 116.4B—LIST OF HAZARDOUS SUBSTANCES BY CAS NUMBER—Continued

CAS No.	Common name
1314870	Lead sulfide
1319773	Cresol (mixed)
1320189	2,4-D ester
1327533	Arsenic trioxide
1330207	Xylene
1332076	Zinc borate
1333831	Sodium bifluoride
1336216	Ammonium hydroxide
1336363	Polychlorinated biphenyls
1338245	Naphthenic acid
1341497	Ammonium bifluoride
1762954	Ammonium thiocyanate
1863634	Ammonium benzoate
1918009	Dicamba
1928387	2,4-D esters
1928478	2,4,5-T ester
1928616	2,4-D ester
1929733	2,4-D ester
2545597	2,4,5-T ester
2764729	Diquat
2921882	Chlorpyrifos
2944674	Ferric ammonium oxalate
2971382	2,4-D ester
3012655	Ammonium citrate, dibasic
3164292	Ammonium tartrate
3251238	Cupric nitrate
3486359	Zinc carbonate
5893663	Cupric oxalate
5972736	Ammonium oxalate
6009707	Ammonium oxalate
6369966	2,4,5-T ester
7428480	Lead stearate
7440235	Sodium
7446084	Selenium oxide
7446142	Lead sulfate
7447394	Cupric chloride
7558794	Sodium phosphate, dibasic
7601549	Sodium phosphate, tribasic
7631892	Sodium arsenate
7631905	Sodium bisulfite
7632000	Sodium nitrite
7645252	Lead arsenate
7646857	Zinc chloride
7647010	Hydrochloric acid
7647189	Antimony pentachloride
7664382	Phosphoric acid
7664393	Hydrofluoric acid
7664417	Ammonia
7664939	Sulfuric acid
7681494	Sodium fluoride
7681529	Sodium hypochlorite
7697372	Nitric acid
7699458	Zinc bromide
7705080	Ferric chloride
7718549	Nickel chloride
7719122	Phosphorus trichloride
7720787	Ferrous sulfate
7722647	Potassium permanganate
7723140	Phosphorus
7733020	Zinc sulfate
7758943	Ferrous chloride
7758954	Lead chloride
7758987	Cupric sulfate
7773060	Ammonium sulfamate
7775113	Sodium chromate
7778441	Calcium arsenate
7778509	Potassium bichromate
7778543	Calcium hypochlorite
7779864	Zinc hydrosulfite
7779886	Zinc nitrate
7782505	Chlorine

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TABLE 116.4B—LIST OF HAZARDOUS SUBSTANCES BY CAS NUMBER—Continued

CAS No.	Common name
7782630	Ferrous sulfate
7782823	Sodium selenite
7782867	Mercurous nitrate
7783359	Mercuric sulfate
7783462	Lead fluoride
7783495	Zinc fluoride
7783508	Ferric fluoride
7783564	Antimony trifluoride
7784341	Arsenic trichloride
7784409	Lead arsenate
7784410	Potassium arsenate
7784465	Sodium arsenite
7786347	Mevinphos
7786814	Nickel sulfate
7787475	Beryllium chloride
7787497	Beryllium fluoride
7787555	Beryllium nitrate
7788989	Ammonium chromate
7789006	Potassium chromate
7789062	Strontium chromate
7789095	Ammonium bichromate
7789426	Cadmium bromide
7789437	Cobaltous bromide
7789619	Antimony tribromide
7790945	Chlorosulfonic acid
8001352	Toxaphene
10022705	Sodium hypochlorite
10025873	Phosphorus oxychloride
10025919	Antimony trichloride
10026116	Zirconium tetrachloride
10028225	Ferric sulfate
10028247	Sodium phosphate, dibasic
10039324	Sodium phosphate, dibasic
10043013	Aluminum sulfide
10045893	Ferrous ammonium sulfate
10045940	Mercuric nitrate
10049055	Chromous chloride
10099748	Lead nitrate
10101538	Chromic sulfate
10101630	Lead iodide
10101890	Sodium phosphate, tribasic
10102064	Uranyl nitrate
10102188	Sodium selenite
10102440	Nitrogen dioxide
10102484	Lead arsenate
10108642	Cadmium chloride
10124502	Potassium arsenite
10140655	Sodium phosphate, dibasic
10192300	Ammonium bisulfite
10196040	Ammonium sulfite
10361894	Sodium phosphate, tribasic
10380297	Cupric sulfate, ammoniated
10415755	Mercurous nitrate
10421484	Ferric nitrate
10588019	Sodium bichromate
11115745	Chromic acid
12002038	Cupric acetoarsenite
12054487	Nickel hydroxide
12125018	Ammonium fluoride
12125029	Ammonium chloride
12135761	Ammonium sulfide
12771083	Sulfur chloride
13597994	Beryllium nitrate
13746899	Zirconium nitrate
13765190	Calcium chromate
13814965	Lead fluoborate
13826830	Ammonium fluoborate
13952846	sec-Butylamine
14017415	Cobaltous sulfamate
14216752	Nickel nitrate
14258492	Ammonium oxalate

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TABLE 116.4B—LIST OF HAZARDOUS SUBSTANCES BY CAS NUMBER—Continued

CAS No.	Common name
14307358	Lithium chromate
14307438	Ammonium tartrate
14639975	Zinc ammonium chloride
14639986	Zinc ammonium chloride
14644612	Zirconium sulfate
15699180	Nickel ammonium sulfate
16721805	Sodium hydrosulfide
16871719	Zinc silicofluoride
16919190	Ammonium silicofluoride
16923958	Zirconium potassium fluoride
25154545	Dinitrobenzene
25154556	Nitrophenol
25155300	Sodium dodecylbenzenesulfonate
25167822	Trichlorophenol
25168154	2,4,5-T ester
25168267	2,4-D ester
26264062	Calcium dodecylbenzenesulfonate
27176870	Dodecylbenzenesulfonic acid
27323417	Triethanolamine dodecylbenzenesulfonate
27774136	Vanadyl sulfate
28300745	Antimony potassium tartrate
30525894	Paraformaldehyde
36478769	Uranyl nitrate
37211055	Nickel chloride
42504461	Dodecylbenzenesulfonate isopropanolamine
52628258	Zinc ammonium chloride
52740166	Calcium arsenite
53467111	2,4-D ester
55488874	Ferric ammonium oxalate
61792072	2,4,5-T ester

[43 FR 10474, Mar. 13, 1978; 43 FR 27533, June 26, 1978, as amended at 44 FR 10268, Feb. 16, 1979; 44 FR 65400, Nov. 13, 1979; 44 FR 66602, Nov. 20, 1979; 54 FR 33482, Aug. 14, 1989; 76 FR 5584, Sept. 8, 2011]

PART 117—DETERMINATION OF REPORTABLE QUANTITIES FOR HAZARDOUS SUBSTANCES

Subpart A—General Provisions

Sec.

- 117.1 Definitions.
- 117.2 Abbreviations.
- 117.3 Determination of reportable quantities.

Subpart B—Applicability

- 117.11 General applicability.
- 117.12 Applicability to discharges from facilities with NPDES permits.
- 117.13 Applicability to discharges from publicly owned treatment works and their users.
- 117.14 Demonstration projects.

Subpart C—Notice of Discharge of a Reportable Quantity

- 117.21 Notice.